

DAVIDHAZY, I.

Magyar Textiltechnika - No. 3, Mar. 1955.

Historical material of the Textile Traveling Exhibition of the Educational Society of Social and Natural Sciences in Sopron. p. (3) of cover.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955  
Uncl.

DAVIDHAZY, Istvan

Rugs with classic or modern pattern? Musz elet 18  
no.5:7 28 F '63.

DAVIDICH, L.N.

Use of nicodine in certain diseases of the biliary tract. Vrach.  
delo no.6:47-50 Je '61. (MIRA 15:1)

1. Kafedra gospi'tal'noy terapii II (zaveduyushchiy - dotsent V.N.  
Dzyak) Dnepropetrovskogo meditsinskogo instituta na baze Dorozhnoy  
bol'nitsy.

(NICOTINIC ACID) (BILIARY TRACT\_\_DISEASES)

DAVIDICH, S.I.; YEREMENKO, G.K.

Method of working with a Lerici solution of increased specific weight. Razved. i okh. nedr 30 no.9:47-49 S '64.

(MIRA 17:12)

1. Simferopol'skiy institut mineral'nykh resursov.

DAVIDICH, V.M.

Repairing steel castings by welding. Mashinostroenie no.2:122-124  
Mr-Ap '62. (MIRA 15:4)  
(Steel castings) (Electric welding)

DAVIDICH, V.M.

New resistance welding machines for continuous mass production.  
Mashinostroenie no.3:120-121 My-Je '62. (MIRA 15:7)  
(Electric welding--Equipment and supplies)

DAVIDICH, V. M.

Electric-arc unit for welding tanks. Mashinostroenie no.5:  
124 S-O '62. (MIRA 16:1)

(Great Britain—Electric welding—Equipment and supplies)

IVANOV, N.I.; DAVIDKHANOVA, I.I. (Moskva)

Simplified determination of renal blood flow. Pat.fiziol. i  
eksp. terap. 4 no.2:11-14 Mr-Apr '60. (MIRA 14:5)  
(KIDNEYS---BLOOD SUPPLY)



KO. V. Nikolai, inzh. SAV. M. V. Georgi, inzh.

The so-called redemption rate method, and its application in the technical and economic studies in Bulgaria. Khidrotekh i melioratsiia no. 5-157-158 '61

1. Editor, "Khidrotekhnik i melioratsiia" (for release).

B/004/61/000/010/003/003  
D201/D304

AUTHORS: Davidkov, P., and Stamatov, St., Engineers

TITLE: New information about metal processing under pressure

PERIODICAL: Tekhnika, no. 10, 1961, 36 - 37

TEXT: The article contains a short informative description of the new methods in processing of metals under pressure including: a) The method of super-cooled austenite; b) the method of blocking; c) the method of thermo-mechanical processing; d) the method of deformation by vibration; e) the method of explosive stamping; f) the method of hydro-electric processing. No detailed description of procedures are given. There are 4 Soviet-bloc references. ✓

Card 1/1

S/137/62/000/001/073/237  
A060/A101

AUTHORS: Davidkov, P., Markov, A.

TITLE: On dividing the rolling process into three stages and determining their boundaries

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 2, abstract 1D6  
("Minno delo i metalurgiya", 1961, 16, no. 5, 26 - 27 [Bulgarian])

TEXT: The process of rolling is divided into three stages. Here, A. P. Chekmarev proceeds from the geometric parameters of the focus of deformation. According to A. P. Chekmarev the first stage of rolling corresponds to the moment from the entry of the metal between the rolls up to the time it reaches the line connecting the axes of the rolls. The beginning of the steady state of rolling (or the second stage) coincides with the exit of the forward edge of the specimen beyond the line connecting the axes of the rolls, and ends when the trailing end of the specimen passes over the beginning of the deformation focus. The third stage corresponds to the passage of the trailing edge of the specimen from the beginning of the gripping arc to the line connecting the roll axes. I. M. Pavlov divides the rolling process into three stages, proceeding from considera-

Card 1/2

DAVIDKOV, P., kandidat na tekhnicheskite nauki; MARKOV, A., inzh.

Some new methods of using metal chips.  
Mashinostroene 11 no.2:14-17 F '62

DAVIDKOV, P., kand. na tekhn. nauki; MARKOV, At., inzh., nauchen sotrudnik

A new method in determining the coefficient of external friction at the compacting in height. Mashinostroene 11 no.4:15-17 Ap '62.

1. St. nauchen sotrudnik (for Davidkov).

DAVIDKOV, Petur, k. t. n. inzh; DIMITROVA, Slavka, inzh.

Rolling of wires. Tekhnika Bulg 12 no. 9: 1-3 '63.

1. TsNIITMash.

DAVIDKOV, Petur, k.t.n., st.n.sutrudnik; DIMITROVA, Slavka, inzh., n.  
sutrudnik

Production of quare small-section profiles by cold rolling.  
Tekhnika Bulg 13 no.1:14-16 '64

DAVIDKOV, P. I.

Name: DAVIDKOV, P. I.

Dissertation: Studying the coefficient of external friction in cold rolling as a function of the roughness of roller surfaces

Degree: Cand Tech Sci

*Defended at*  
~~Appellation~~ *Publication*: Min Higher Education USSR, Moscow Order of Labor Red Banner  
Inst of Steel imeni I. V. Stalin

Defense Date, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 51, 1956



DAVIDKOV, P.I.

PAVLOV, I.M.; DAVIDKOV, P.I.; PIRYAZEV, D.I.

Using a roller torsionmeter for determining the coefficient of friction during metal rolling. Zav.lab.23 no.2:236-238 '57.  
(MIRA 10:3)

1. Moskovskiy institut stali.  
(Physical instruments) (Rolling (Metalwerk))

DAVIDKOV, P.

"Question on production of steel balls for ball mills in Bulgaria."

p. 21 (Tezhka Promishlenost, Vol. 7, no. 2, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,  
September 1958

DAVIDKOV, P.

"Speed conditions during the time of filling the interstice between the rollers with metal."

p.11 (Tekhnika, Vol. 6, no. 9, 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

DAVIDKOV, P.; BONEV, S.

"Rationalization of the process of the work in the production of drills."

p.17 (Tekhnika, Vol. 7, no. 1, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

DAVIDKOV, P.; BONEV, S.; IANKOV, KH.

"Possibilities for manufacturing metals under pressure in the Bulgarian machinery industry."

p.15 (Tekhnika, Vol. 7, no. 3, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

PAVLOV, I.M.; DAVIDKOV, P.I., kand.tekhn.nauk

Dependence of the friction coefficient in cold rolling on  
the roughness of the rolls. Sbor.Inst.stali no.39:113-131  
'60. (MIRA 13:7)

1. Kafedra prokatki Moskovskogo ordena Trudovogo Krasnogo  
Znameni instituta stali im. I.V.Stalina. 2. Chlen-  
korrespondent AN SSSR (for Pavlov).  
(Rolling(Metalwork)) (Friction)

DAVIDKOV, Petur, k. t. n.; STAMATOV, Stamat, inah.

Some phenomena in the axial bushhammering of metals.  
Tekhnika Bulg 11 no.9:333-335 '62.





DAVIDKOV, P.I., inz., kandidat technickych ved (Bulharsko); MARKOV, A.M., inz.  
(Bulharsko)

A new method of determining the external friction coefficient in  
upsetting on press. Hut listy 17 no.9:634-636 S '62.

DAVIDKOV, P.I., inz., kandidat technicheskikh nauk (Bulgaria); MARKOV, A.M.,  
inz. (Bulgaria)

An apparatus for measurement of the friction on rollers. Hut  
listy 17 no.7:493-495 J1 '62.

DAVIDKOV, T.

Three fruitful years. p. 34.

Vol. 10, no. 12, Dec. 1955  
KOOOPERATIVNO ZEMEDELIE  
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

DAVIDKOV, V., general-polkovnik aviatsii, Geroy Sovetskogo Soyusa, delegat  
XXII s"yezda Kommunisticheskoy partii Sovetskogo soyuza

The commander is the sole leader. Vest. Vozd. Fl. no.12:  
15-20 D '61.

(Russia--Armed forces--Officers)

(MIRA 15:3)

Davidokova, L.

BULGARIA / Chemical Technology. Fats and Oils. Waxes. H  
Soaps. Washing Agents. Flotation Reagents.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75334.

Author : Rankov, Iovchev, Davidokova.

Inst : Not given.

Title : Investigation of Glyceride Oil Obtained from  
Coriander Seeds.

Orig Pub: Izv. khim. in-t Belg. AN, 1957, 5, 159-166.

Abstract: The glyceride oil (O) obtained in a 19% yield  
by the extraction of coriander seeds of anna-  
tive harvest in 1925 has a yellow-orange color,  
 $n_D^{30}$  1.4676, m. p. 17-19°C., acid number 5.1,  
saponification number 194, iodine number (IN)  
84.5, thicyanogen number (TN) 72.4, Reichert -  
Meissl value 0.55, hexabrom value (HBV) traces,  
unsaponified matter of 4.1%. The mixture of

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BULGARIA / Chemical Technology. Fats and Oils. Waxes.  
Soaps. Washing agents. Flotation Reagents.

H

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75334.

Abstract: fatty acids of O has melting point of 24.5-25°C,  $n_D^{30}$  is 1.4598, neutralization value is 205.0, average molecular weight is 273.7, IN is 96.1, TN is 83.5, HBV is present in trace amounts, hydroxyacids are 0.62, solid acids (according to Twichell) = 41.2%, with IN of 84.1. The composition of mixture of solid acids (in %): saturated = 9.7, oleic - 38.5, linoleic acid = 14.0. It was pointed out that the properties of O obtained from seeds, after the essential oils have been separated from them, permit its use for soap preparation.

Card 2/2

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DAVIDKOVA, L.

BULGARIA/Chemical Technology - Chemical Products and Their  
Application, Part 3. - Fats and Oils, Waxes,  
Soaps, Detergents, Flotation Agents.

H-25

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48286

Author : G. Rankov, A. Yovchev, L. Davidkova

Inst : Academy of Sciences of Bulgaria.

Title : Investigation of Composition of Coriander Fruit Fatty  
Oil.

Orig Pub : Dokl. Bolg. AN, 1957, 10, No 2, 133-136

Abstract : It was established that the fatty oil of *Coriandrum*  
*sativum* L. (yield - 19%, melting point - 17 to 19°,  
 $n_{D}^{30} = 1.4676$ , acid number - 4.1, saponification num-  
ber - 194, iodine number - 84.5, thiocyanate number -  
72.4, Reichert-Meissl number - 0.55, hexabromide

Card 1/2

GEYZENBLAZEN, B.Ye., inzh., GONCHAROV, Yu.G., inzh.; KOLESNIK, A.S.;  
LAZARENKO, N.A.; DAVIDKOVICH, A.S., inzh.

Automation of a two-stage crushing cycle. Gor. zhur. no.2:54-57  
F '65. (MIRA 18:4)

1. Metallurgavtomatika (for Geyzenblazen, Goncharov, Davidkovich). 2. Tsentral'nyy gornobogatitel'nyy kombinat, Krivoy Rog (for Kolesnik, Lazarenko).



BELAN, Yu.M., inzh.; GONCHAROV, Yu.G., inzh.; DAVIDKOVICH, A.S., inzh.;  
REZNITSKIY, D.L., inzh.

Continuous automatic control of the composition of flue gases.  
Gor.zhur. no.3:60-61 Mr '65. (MIRA 18:5)

1. Metallurgavtomatika, Dnepropetrovsk.

DAVIDKOVICH, A.S., inzh.; TKACHENKO, N.A., inzh.; GEYZENBLAZEN, B.Ye.,  
inzh.; GONCHAROV, Yu.G.; AFANAS'YEV, V.D., inzh.; RUDOI, V.S.,  
inzh.; KONOGRAY, B.Ya., inzh.

Investigating the electroacoustic method of controlling the loading  
of ball mills. Gor. zhur. no.5:50-51 My '65. (MIRA 18:5)

1. Trest po avtomatizatsii metallurgicheskikh predpriyatiy "Metal-  
lurgavtomatika", Dnepropetrovsk (for Davidkovich, Tkachenko, Geyzen-  
blazen, Goncharov). 2. Nauchno-issledovatel'skiy gornorudnyy institut  
(for Afanas'yev, Rudoy, Konogray).

DAVIDKOVICH, A.S.; GONCHAROV, Yu.G.; GEYZENBLAZEN, B.Ye.; BABKOVA, T.B.;  
PRIADKO, V.D.; BELETSKIY, Ye.P.; KOLESNIK, A.S.; LAZARENKO, N.A.

Analysis of the efficiency of work output of the automated  
ore dressing section in the Krivoy Rog Central Mining and Ore  
Dressing Combine. Met. i gornorud. prom. no.4:64 J1-Ag '65.  
(MIRA 18:10)

BUSLAYEV, Yu.A.; DAVIDOVICH, R.L.

Potassium oxofluoromolybdates and oxofluorotungstates.  
Zhur.neorg.khim. 10 no.8:1862-1871 Ag '65.

(MIRA 19:1)

1. Institut obshchey i neorganicheskoy khimii imeni N.S.Kurnakova  
AN SSSR i Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo  
otdeleniya AN SSSR. Submitted July 30, 1964.

FIALKOV, A.S.; DAVIDOVICH, Ya.G.; PSHENICHKIN, P.A.; GALEYEV, G.S.;  
TYAN, L.S.

Effect of calcination temperature on the electron paramagnetic  
resonance of petroleum cokes. Zhur. fiz. khim. 39 no.4:958-961  
Ap '65. (MIRA 19:1)

1. Elektrouglinskiy filial nauchno-issledovatel'skogo instituta  
elektromekhaniki. Submitted Feb. 27, 1964.

L 18421-66 EWP(●)/BHT(■) WH/WH  
ACC NR: AF6003488

SOURCE CODE: UR/0020/66/166/001/0077/0079

AUTHOR: Fialkov, A. S.; Davidovich, Ya. G.; Yurkovskiy, I. M.

ORG: none

TITLE: Preferential crystallization in graphitic materials 15.44

54  
B

SOURCE: AN SSSR. Doklady, v. 166, no. 1, 1966, 77-79

TOPIC TAGS: graphite, graphitization, crystallization, crystal structure analysis, expansion ratio, high temperature material, thermal expansion, anisotropy

ABSTRACT: Anisotropic structural changes in graphitic materials at high temperatures were studied. The experimental material used was a mixture of coke containing 20% pitch. The coke was pressed and sintered at temperatures up to 1100°C. Samples (0.7 x 0.7 x 6 cm) were cut from the blocks both parallel and perpendicular to the direction of pressing. The linear thermal expansion characteristics of the samples were determined in the temperature range of 100 to 300°C. The resulting structural changes following heating were analyzed by x-ray diffraction using CuK $\alpha$  radiation. The ratio of intensities of the (002) planes perpendicular and parallel

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UDC: 548.73

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L 18421-66

ACC NR: AP6003488

to the pressing direction was called the structural anisotropy factor; this ratio tabulated for different temperatures ranging from 1300-3000°C. Thermal expansion data are given for various processing temperatures and for both the parallel and perpendicular pressing directions as a function of temperature. These curves exhibited a minimum at about 1500 to 1700°C, which coincided with the appearance of intensive x-ray dispersion from the (112) and (101) reflections. An equation is given for the displacement of the hexagonal lattice dimensions as a function of wavelength and Bragg angle for the (100) reflection. The thermal expansion curves exhibited maxima at about 1100°C as a result of texturing during treatment and subsequent reorientation of the hexagonal lattice planes during heating. This general phenomenon was described as third degree ordering. Orig. art. has: 3 figures, 1 table.

SUB CODE: 11/

SUBM DATE: 22Apr65/

ORIG REF: 002/

OTH REF: 004

Card 2/2 mc

DAVIDOFF, S. M.

EXCERPTA MEDICA Sec 8 Vol 12/1 Neurology Jan 59

46. NEURODYSTROPHIES ACCOMPANYING CEREBRAL CORTEX DECORTICATION AND CHEMICAL INJURIES OF THE INFRA-ORBITAL AND THE MENTAL NERVE - Neurodystrophien bei Dekortikation der Grosshirnrinde und chemische Traumata des Nervus infraorbitalis und Nervus mentalis - Davidoff S. M. and Popdimiroff J. Chir.-Stomatol. Klin., Hoher Med. Inst., Sofia - PSYCHIAT. NEUROL. MED. PSYCHOL. (Lpz.) 1958, 10/3 (75-82) Tables 1 illus. 8

Functional cerebrocortical disorders (decortication) may give rise to relapses of subsided (compensated) dystrophic processes in denervated tissues. The cerebral cortex is the most important factor in the compensation of pathological dystrophic processes. The central pathogenesis of dystrophic processes is confirmed by the fact that - when relapses occur following decortication - they are not restricted to the severed nerve region but also occur in the region innervated by ramifications of the same nerves (changes in dogs). The healing of surgical wounds in decorticated animals is identical with wound healing in non-decorticated animals.



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the only difference being the speed of the healing process. In the case of decortication of only one hemisphere there are dystrophic changes which, as a rule, show a rapid course due to the considerable compensatory possibilities in the mechanisms of the cerebral cortex. After decortication of both hemispheres of the cerebral cortex, however, the denervated structure shows marked dystrophic changes which tend to aggravate rather than subside.

DAVIDOV, A.

Intracutaneous cervical novocaine block as a new method of anesthesia  
in tonsillectomy. Med. letopisi 42 no.5-6:573-575 May-June 50.  
(CIML 20:7)

1. Dr. Aleksandur Davidov, Ear-Nose-Throat Specialist.

DAVIDOV, Al., zav. oto-rino-laringologichen kabinet

Medical expert testimony in establishing working capacity in diseases of the auditory and vestibular receptors, Khirurgiia, Sofia 7 no.5:295-303 1954.

1. 10 Poliklinika, Sofia, Glaven lekar P.Tagarov.

(WORK,

working capacity in aural & vestibular dis., expert testimony)

(EAR, diseases,

working capacity in, expert testimony)

(VESTIBULAR APPARATUS, diseases,

working capacity in, expert testimony)

(JURISPRUDENCE, MEDICAL,

expert testimony in determ. working capacity in aural & vestibular dis.)

DAVIDOV, A.

Latent chronic sinusitis and its significance in focal infections.  
Khirurgia, Sofia 10 no.8:701-710 1957.

(SINUSITIS

latent chronic, in various focal infect., diag. & ther.)

(FOCAL INFECTION, compl.

sinusitis, latent chronic in various focal infect., diag. & ther.)

DAVIDOV, A.A.  
DAVIDOV, A.A.

"Issledovaniye pul'satsii potoka v trubakh ispytel'noy chasti pryamotok  
nykh kotlov," Hydrodynamics and Heat Transfer During Boiling in High Pressure  
Boilers. U.S.S.R. Academy of Sciences (Moscow 1955, 256pp).

A collection of twelve papers describing experimental work on the movement of  
steam and water, the formation of steam and heat transfer in boiler tubes.

DAVIDOV, A-A.

Subject : USSR/Engineering AID P - 1321  
Card 1/2 Pub. 110-a - 3/19  
Authors : Davidov, A. A., Eng., Polyakov, V. V., Eng. and  
Sheynin, B. I., Kand. of Tech. Sci.  
Title : Study of the distribution of the steam-water mixture from  
the header along the piping system  
Periodical : Teploenergetika, 2, 15-19, F 1955  
Abstract : The results of research experiments are presented con-  
cerning the distribution of the steam-water mixture as  
observed on laboratory test equipment. Those experiments  
show the relation existing between the indexes of distri-  
bution of the steam-water mixture and of the volume load  
per second of the distributing header. Recommendations  
are presented concerning the choice of some elements of  
construction. Diagrams, charts.

Teploenergetika, 2, 15-19, F 1955

AID P - 1321

Card 2/2      Pub. 110-a - 3/19

Institutions: Institute of Power Engineering, Academy of Sciences,  
USSR; TETS #9 of Mosenergo (Moscow Power Plant System);  
BPK (Bureau for the Construction of Continuously  
Operating Coal Boilers).

Submitted : No date

*Davidov, A. A.*

Subject : USSR/Electricity AID P - 2920  
Card 1/1 Pub. 26 - 17/32  
Authors : Davidov, A. A. and A. I. Krasnov, Engs.  
Title : ~~Butterfly type blower~~ Butterfly type blower for continuous blowing  
Periodical : Elek.sta., 7, 49-51, J1 1955  
Abstract : The design and construction of evaporators are explained in detail. Results of experiments made with butterfly type blowers are given in a table.  
Institution : None  
Submitted : No date



1  
DAVIDOV, A.A., inzhener; SHUKLER, B.I., inzhener; ZHIVOTOV, A.P., inzhener;  
RAKOV, K.A., kandidat tekhnicheskikh nauk.

Dynamic characteristics of once-through-type boilers.  
Teploenergetika 3 no.11:19-25 N '56.

(MIRA 9:12)

1. Moskovskoye otdeleniye Kotloturbinnogo instituta i Vsesoyuznyy  
teplotekhnicheskoy institut imeni Dzerzhinskogo.  
(Boilers)

3059. ELIMINATION OF PULSATION IN A CONTINUOUSLY OPERATING COIL BOILER.  
 Davidov, A.A. and Kravchov, A.I. (Elektr. Stan. (Pwr. Sta., Moscow), Mar. 1956,  
 vol. 27, 1-6). Results of one stage of pulsation investigation, namely  
 determination of the magnitude of baffling necessary to eliminate intercoil  
 pulsation, are presented. The test equipment consisted of three coil tubes  
 arranged parallel between two headers, coil heating being effected by steam  
 from an extraneous source. Feedwater was supplied by an 8-piston pump,  
 ensuring steady delivery. The steam parameters permitted tests at 100 atm,  
 feedwater consumption being 1.5 tons/h. It was concluded that to eliminate  
 pulsation in medium pressure uniflow boilers baffle plates should be used  
 having the total resistance of a radiation condenser and steam equivalent to  
 80% pressure drop in the vaporizing section of a nest of tubes. In 100 atm  
 boilers the baffling may be reduced to 70%. (L). C.E.A.

DAVIDOV, A. V.

"Bismuth Nephropathy," Klin. Med., 26, No 4, 1948.

Sect. Syphilology, Cent. Dermato-Venereological Inst.

DAVIDOV, A.V., professor. (Moskva)

"Lectures on rheumatic fever" by I.A.Kassirskii. Reviewed by  
A.V.Davidov. Terap. arkh. 29 no.4:80-85 Ap '57. (MIRA 10:10)  
(RHEUMATIC FEVER) (KASSIRSKII, I.A.)

DAVIDOV, A.V., prof. (Moskva)

Atypical forms of rheumatic fever. Vrach.delo no.1:1279-1283  
D '58.

(MIRA 12:3)

1. Terapevticheskoye otdeleniye Perovskoy zheleznodorozhnoy bol'-  
nitsy.

(RHEUMATIC FEVER)

DAVIDOV, A.V., prof. (Moscow)

Rheumatic fever and septicemia. Vrach.delo no.4:343-349 Ap'58  
(MIRA 11:6)

1. Terapevtich'skoye otdeleniye Perovskoy zheleznodorozhnoy  
bol'nitsy.

(RHEUMATIC FEVER)

(SEPTICEMIA)

~~DAVIDOV, A.V., prof.~~

"Principles and technique of electrocardiography" by N.G. Nikulin.  
Reviewed by A.V. Davidov. Sov.med. 22 no.1:155-158 Ja '58.  
(ELECTROCARDIOGRAPHY) (MIRA 11:4)  
(NIKULIN, N.G.)

DAVIDOV, D.; GRIGOROV, S.

A disturbed water discharge and determining its parameters. p. 24.  
(Khidrologhia I Meteorologia, No. 6, 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.



DAVIDOV, D.

Question on representiveness of short rows of hydrometeorological  
data. Khidro i meteorolog no.2:15-22 '60. (EEAI 10:1)  
(Hydrology) (Meteorology)

DAVIDOV, D.

Planning of Semi-manufactured Production on Machine Manufacturing Plants

TEZHKA PROMSHLENOST ( Heavy Industry), Issue # 7; 19; July 1955

DAVIDOV, D.

DAVIDOV, D. Prefabricated-paneled one-story house. p. 6.

Vol. 3, no. 12, 1956

STROITELSTVO

TECHNOLOGY

Bulgaria

So: East European Accessi n, Vol. 6, No. 5, May 1957

DAVIDOV, D.

TECHNOLOGY

Periodicals: STROITELSTVO. Vol. 5, No. 12, 1958.

DAVIDOV, D. Experimental prefabricated one-story house made of autoclave-form-cement parts. p. 12.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.  
Unclass.

DAVIDOV, Dimitur, inzh.

Efficiency of irrigation canals. Khidrotekh i melior 7 no.2:54-55 '62.

DAVIDOV, Dimitur, inzh.

Determining the length of irrigation beds and furrows. Khidrotekhn  
i melio 7 no.10:298-300 '62.

DAVIDOV, Dimitur, inzh.

Nomogram for determining the economically most advantageous  
diameter in inverted syphons. Khidrotekh i melior 8 no. 2:  
48-49 '63.

DAVIDOV, Dimitur, inzh.

Computing the efficiency of irrigation systems. Khidrotekh  
i melior 8 no.3:81-83 '63.



DAVIDOV, Dimitur

Dimensions of irriagation beds. Selskostop nauka 2 no.7:752-  
760 '63.

DAVIDOV, Dimitur, inzh.

Determination of flow speed in irrigation canals. Khidrotekhnika  
i melior 9 no.1:15-17 '64.

DAVYDOV, G. M.

Ukraine - Economic Conditions

In the Council for the Study of the Natural Resources of the Ukrainian S.S.R. of the Academy of Sciences of the Ukrainian S.S.R. Visnyk AN URSR 21, No. 7, 1949.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

DAVYDOV G. M.

181T3

USSR/Academy of Sciences - Ukrainian SSR Jun 50

"Conference on the Problems of Water Economy of the Ukrainian SSR," G. M. Davydov

"Visnyk Ak Nauk Ukrain's'koy RSR" No 6, pp 69-77

Briefly reviews reports delivered in 28-31 Mar 50 conf in Kiev. Main subjects: use of small rivers for rural electrification and transp; irrigation of arid areas in south of Ukrainian SSR; constr of ponds and reservoirs, fish breeding and fishery, cultivation of rice and fish breeding in rice plantations. Discussed 29 reports.

LC

181T3

DAVIDOV, G. H.

Council on the study of productive power in the U.R.S.R. Visnyk AN URST 22,  
No 10, 1950.

1. DAVIDOV, ~~A~~<sup>G</sup> M.
2. USSR (600)
4. Hydraulic Engineering
7. Results of the work of the council of the Academy of Sciences of the Ukrainian S. S. R. on problems in hydraulic construction, Visnyk AN URSR 23 No. 3, 1951

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

DAVYDOV, G.M. [reviewer]; CHERMENSKIY, V. [author]

Militarization and the worsening of workers' conditions in capitalist and colonial countries ("Impoverishment of workers in capitalist countries." V.Chermenskii. Reviewed by H.M.Davydov). Visnyk AN URSR 24,no.11: 65-67 N '53.

(MLRA 6:12)

(Chermenskii, V.) (Economic conditions)

*DAVIDOV, G.M.*  
DAVIDOV, G.M.

Further development of the productive forces of the Polesye is a most important task in the national economy. *Vienyk AN URSR* 26 no.7:53-57 J1'55. (MIRA 8:10)  
(Polesye--Economic conditions)



*Davydov, G.M.*

DAVIDOV, G.M.

Studies on the economics of the light industry of the Ukrainian  
S.S.R. ("Problems in the economics of the light industry of the  
Ukrainian S.S.R." by L.E. Horelik, Reviewed by H.M. Davydov).  
Visnyk AN URSS 28 no.8:74-77 Ag '57. (MIRA 11:1)  
(Ukraine--Manufactures) (Efficiency, Industrial)  
(Horelik, L.E.)

DAVIDOV, G.M. [Davydov, H.M.], kand.ekon.nauk

Topics on the development of productive forces in the Ukrainian  
S.S.R. Visnyk AN URSR 29 no.4:64-69 Ap '58. (MIRA 11:6)  
(Ukraine--Natural resources)

AVETIKOV, N.; DAVIDOV, I.

Specialization and co-operation of motortruck repair plants in  
the Georgia Economic Region. Avt. transp. 36 no. 7:24-25 J1 '58. (MIRA 11:8)  
(Georgia--Motortrucks--Maintenance and repair)

DAVIDOV, Iv.

Bulgaria builds socialism. Nauka i tekhn mladezh 15 no.6:1-2  
Je'63.

1. Glaven sekretar na Turgovskata palata.

VINOKUROV, Lev Pinkhusovich; KAN, S.N...prof., doktor tekhn.nauk,  
retsenzent; DERKACH, V.F., dotsent, kand.tekhn.nauk, retsenzent;  
DAVIDOV, I.V., dotsent, kand.tekhn.nauk, otv.red.; KURILOVA,  
T.M., red.; TROFIMENKO, A.S., tekhn.red.

[Structural mechanics of rod systems; theory of the deformation  
of rod systems] Stroitel'naya mekhanika sterszhnevyykh sistem;  
teoriya deformirovaniya sterszhnevyykh sistem. Khar'kov, Izd-vo  
Khar'kovskogo gos.univ.im.A.M.Gor'kogo. Pt.1. [Statics]  
Statika. 1960. 387 p. (MIRA 13:10)  
(Structural frames)

L 07590-67 EWP(w) EM

ACC NR: AP6030432

SOURCE CODE: UR/0420/66/000/006/0059/0065

AUTHOR: Davidov, I. V.

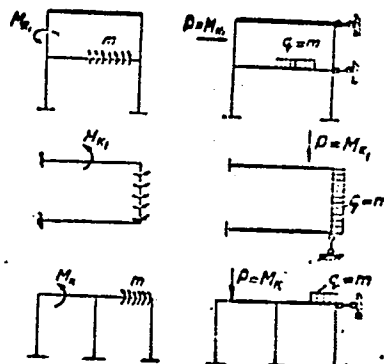
ORG: None

TITLE: Approximate calculation of flat frames made of thin-walled rods for the case of profiles with low rigidity under free twisting

SOURCE: Samoletostroyeniye i tekhnika vozdušnogo flota, no. 6, 1966, 59-65

TOPIC TAGS: torque, skeletal mechanics

ABSTRACT: An approximate method is proposed for calculating the effect of twisting moments on frames made up of thin rods by using analogs based on substitution of force loads in the plane of the frame for the twisting moments. It is shown that concentrated twisting moments  $M_K$  may be replaced by forces  $P$  and the distributed moment load  $m$  may be replaced by load  $q$ . Examples are given in the figure showing analog diagrams for some thin-walled frames. The substitution of analogs with additional couplings which restrict the frame increases the number of unknown quantities when the force method is used, and reduces the number of unknowns when the displacement method is used. For the case of a large number of connection points, the bimoment distribution



Card 1/2

. L 07590-67

ACC NR: AP6030432

method may be used since fewer calculations are needed in this case than are required in the displacement method. Orig. art. has: 6 figures. D

SUB CODE: 13/ SUBM DATE: none

Card 2/2 *eyk*

ARSEN'YEVA, Nina Mikhaylovna, assistant; DAVIDOV, Lev Konstantinovich, prof.; DUBROVINA, Lidiya Nikolayevna, dots.; KONKINA, Nina Georgiyevna, dots.; PETROVSKAYA, T.I., red.; ZHABKO, G.P., tekhn. red.

[Seiches on the lakes of the U.S.S.R.] Seishi na ozerakh SSSR. [By] N.M.Arsen'eva i dr. Leningrad, Izd-vo Leningr. univ., 1963. 182 p. (MIRA 16:12)  
(Seiches) (Lakes)



DAVIDOV, L.Ya. [Davydov, L.IA.], kand.med.nauk

Pelvimeter (condiagometer). Ped., akush. i gin. 20 no.2:58-59 '58.  
(MIRA 13:1)

1. Kafedra akusherstva i ginekologii (zav. - prof. A.V. Vikulov)  
L'vovskogo meditsinskogo instituta (direktor - prof. L.N. Kuzmenko)  
(~~PELVIS~~—MEASUREMENT)

LESYUK, V.S.; TIMOSHENKO, L.V. [Tymoshenko, L.V.]; DAVIDOV, L.Ya.  
[Davydov, L.IA.]; GOLOTA, V.Ya. [Holota, V.IA.]

Use of a vacuum apparatus in obstetrical and gynecological  
practice. Ped. Akush. i gin. 24 no.6:45-47 '62.

(MIRA 17:4)

1. Akushersko-ginekologicheskoye otdeleniye Zhidachevskoy  
rayonnoy bol'nitsy (zaveduyushchiy V.S. Lesyuk, glavnyy vrach  
I.L. Grinberg), I'vovskiy institut Ukrainakogo nauchno-issledovatel'-  
skogo instituta okhrany materinstva i detstva im. Geroya Sovetskogo  
Soyuza prof. P.M. Buyka (direktor - kand. med. nauk L. Ya. Davidov  
[Davydov, L.IA.]) i kafedra akusherstva i ginekologii (zaveduyushchiy -  
prof. M.S. Baksheyev [Baksheiev, M.S.]) Kiyevskogo meditsinskogo  
instituta (rektor - dotsent V.D. Bratus').

SEMENYUTA, Fedor Ivanovich; MENYAYLENKO, P.T., prepodavatel', retsenzent;  
GORSKIY, P.V., dotsent, retsenzent; DAVIDOV, M.V., red.; FUKS,  
Ye.A., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Forest evaluation] Lesnaia taksatsiia. Moskva, Goslesbum-  
izdat, 1961. 337 p. (MIRA 15:3)

1. Khrenovskiy lesnoy tekhnikum (for Menyaylenko). 2. Lenin-  
gradskaya lesotekhnicheskaya akademiya im. S.M.Kirova (for  
Gorskiy).

(Forests and forestry--Valuation)

L 34525-66

ACC NR: AP6024695

SOURCE CODE: RU/0011/65/009/004/0170/0177

AUTHOR: Davidov, N. I. (Engineer)

ORG: none

TITLE: Experimental determination of the dynamic characteristics of drum boilers working in parallel

SOURCE: Automatica si electronica, v. 9, no. 4, 1965, 170-177

TOPIC TAGS: steam boiler, external combustion engine

ABSTRACT: A discussion of the method for determining the dynamic characteristics of boilers, and the application of the general method to the case of drum boilers working in parallel. Detailed instructions are given for each separate step of the determinations. Orig. art. has: 7 figures and 10 formulas. [Based on author's Eng. abst.] [JPRS: 33,544]

SUB CODE: 13 / SUBM DATE: none / SOV REF: 004

DAVIDOV, O.S.

Category : USSR/Optics - Spectroscopy

K-6

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 2425

Author : Davidov, O.S., Lubchenko, A.F.

Title : Radiation and Absorption of Light in Molecular Crystals, Owing to the Formation of Localized Excitations

Orig Pub : Ukr. fiz Zh., 1956, 1, No 1, 5-14

Abstract : A theory is developed for the radiation and absorption of light by molecular crystals when localized excitations are formed in the crystals. The wave function of the crystal + radiation-field system (neglecting the interaction between the field and the crystal) is selected to be the product of the wave function of the radiation field in the secondary-quantization representation, the antisymmetrized product products of the wave functions of the individual molecules making up the crystal, and the wave functions of the harmonic oscillators describing the oscillatory state of the crystal. The probability of the transition of the system from one quantum state into another is calculated from the equation  $W_{fi} = \frac{2\pi}{\hbar} \rho_E H'_{fi}^2$ , where  $\rho_E$  is the density of the finite states in a single interval of energy  $E$ ,  $H'$  is the matrix element of the energy of interaction between the field and the crystal, and  $d\Omega$  is the solid-angle element. Expressions are obtained for the radiation intensity  $I_{\lambda}^{x,r}$  and for the absorption intensity  $I_{\lambda}^{a}$  of light polarized along the axes of the Cauchy ellipsoid

Card : 1/2

Category : USSR/Optics / Spectroscopy

K-6

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 2426

Author : Davidov, D.S., Lubchenko, A.F.

Title : Spectral Distribution of the Intensity of the Radiation and Absorption of Light by Molecular Crystals Upon Formation of Localized Excitations.

Orig Pub : Ukr. Fiz. zh., 1956, 1, No 1, 15-28

Abstract : Calculation of the spectral distribution of the intensity in the bands of absorption (AB) and radiation (RB) of light by molecular crystals upon formation of localized excitations (LE), and also of the average radiation lifetime ( $\tau$ ) of the LE. The calculation is based on the Weisskopf-Wigner method (Weisskopf V., Wigner E, Z. Phys., 1930, 65, 18; 1930, 63, 54). Radiationless transitions are disregarded. It is shown that the shapes of the AB and RB of light occurring upon formation of LE in the crystal depend on the crystal temperature. At high temperatures, the AB and RB have the shape of the Gaussian error curve. At lower temperatures the bands become asymmetrical relative to the line passing through the maximum of the band perpendicular to the frequency axis; the absorption curve diminishes more rapidly in the red portion of the spectrum than in the violet one; the luminescence curve acts oppositely. At low temperatures, the AB and RB are a system of lines similar to the lines of the atomic spectra (their shape is given by the expression  $1/(1 + x^2)$ ).

Card : 1/2

Category : USSR/Optics / Physical optics

K-5

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 2341

Author : Davydov, O.S., Lubchenko, A.F.

Title : Form of Dispersion Curve in Molecular Crystals, Corresponding to Localized Excitations.

Orig Pub : Ukr. fiz. zh., 1956, 1, No 2, 111-119

Abstract : Dispersion curves, corresponding to localized excitations, are calculated for molecular crystals, and their variation with temperature is investigated. It is shown that at high temperatures the shape of the dispersion curves are analogous to the shape of the dispersion curves of a free molecule with allowance for the Doppler effect. At lower temperatures the dispersion curve becomes asymmetric relative to the line passing through the maximum of the absorption band perpendicular to the frequency axis. The point at which the dispersion curve intersects the frequency axis shifts in the frequency scale with variation in temperature. At low temperatures, when the absorption spectrum breaks up into a system of lines similar to the lines of the atomic spectra, the dispersion curve corresponding to each line has the form  $x/(1 + x^2)$ .

Card : 1/1

DAVIDOV, O.S.

DAVIDOV, O.S.; RASHEA, Ye.Y.

Light absorption in molecular crystals on weak interaction between excitons and phonons [in Ukrainian with summaries in Russian and English]. Ukr.fiz.zhur. 2 no.3:226-241 J1-S '57. (MIRA 10:10)

1. Institut fiziki AN URSR.

(Excitons) (Crystals--Optical properties)



DAVIDOV, P. D

PHASE I BOOK EXPLOITATION

SOV/4116

Kulebakin, Viktor Sergeyevich, Igor' Mikhaylovich Sindeyev, Pavel Davidovich Davidov, and Boris Fedorovich Fedorov (Deceased)

Elektricheskiye sistemy zazhiganiya, obogreva i osveshcheniya samoletov  
(Electric Ignition, Heating, and Lighting Systems for Aircraft)  
Moscow, Oborongiz, 1960. 372 p. (Series: Elektrifikatsiya samoletov)  
Errata slip inserted. 5,500 copies printed.

Reviewers: Moscow Aviation Institute; D.A. Zavalishin, Honored Scientist and Technologist for the RSFSR, Doctor of Technical Sciences, Professor; Ed.: A. M. Senkevich, Candidate of Technical Sciences, Docent; Managing Ed.: S. D. Krasil'nikov, Engineer; Ed. of Publishing House: P. B. Morozova; Tech. Ed.: V. I. Oreshkina.

PURPOSE: This is a textbook for aeronautical schools of higher education.

COVERAGE: The book contains a description of the operating principles and structure of electrical systems for ignition of combustible mixtures in piston engines, gas turbines, and jet engines; for heating the plane's crew compartment and various kinds of equipment; and for aircraft illumination and signal lights. Fundamentals of the theory

Card 1/8

Electric Ignition (Cont.)

SOV/4116

of operating processes and computational methods are explained. Facts on the characteristics of design and operation of the heating systems are given. Part I was written by V. S. Kulebakin and I. M. Sindayev, Part II by V. S. Kulebakin and P. D. Davidov, and Part III by B. F. Fedorov. There are 27 references: 25 Soviet and 2 English.

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2. Brief historical review of the development of electrical ignition systems	10
3. Fundamentals of the modern theory of combustion and the ignition of combustible mixtures	11
4. Characteristics of the processes of ignition and combustion of fuel in the combustion chambers of turbojet engines and turboprop engines	17
Card 2/8	

23164

S/024/61/000/003/012/012  
E140/E463

9.4310

AUTHORS: Davidov, P.D. and Nagorskiy, V.D. (Moscow)

TITLE: The overload capacity of germanium transistors

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1961, No.3, pp.159-165

TEXT: The article considers the efficiency of various types of cooling for germanium triodes and their overload capacities when driven by identical short pulses. The thermal processes in the system are studied under the following assumptions: The collector junction and the transistor body constitute two homogeneous bodies with given heat capacities, coupled by a common surface and a given heat transmission factor; all points of the collector junction and the body of the transistor are at identical temperatures. Then the heat model of the transistor can be represented by a body with internal energy source where the power dissipated by the collector junction has two components, one which heats the collector junction and the second which is transferred to the body of the transistor. The latter, in turn, has two components, one of which heats the body of the transistor while the second is

Card 1/3

23164

S/024/61/000/003/012/012  
E140/E463

The overload capacity ...

dissipated in the surrounded medium. Assuming that the thermal time constant of the collector junction is much less than that of the body of the transistor, it is found that when the transistor is driven by pulses of duration of the order of the junction thermal time constant, the maximum power depends on the ambient temperature, the thermal resistance of the collector junction and the pulse duration. Under these conditions, it is further found that the transistor cannot be protected by any technical cooling method from such short-duration overload. The overload capacity for such short driving pulses is very high and breakdown of the transistor is practically impossible except under conditions of exceedingly high base current. The author concludes that transistors can be used directly for the control of dc electric motors since the armature current reaches its maximum value in several milliseconds and, therefore, breakdown of the transistor by the instantaneous value of the starting current is not very probable. The theoretical results have been verified experimentally and the circuits and results of this verification are described. There are 7 figures and 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc. The two references to English language

Card 2/3

The overload capacity ...

S/024/61/000/003/012/012  
E140/E463

publications read as follows: Kennet E. Mortenson. *Proced. I.R.E.*,  
April 1957, v.45, No.4; Strickland P.R. *JBM Journal of research*  
and development, January 1959, No.1.

SUBMITTED: January 24, 1960

Card 3/3

9.2560

S/024/62/000/004/007/007  
E140/E435

AUTHOR: Davidov, P.D. (Moscow)

TITLE: Transistor circuits for d.c. servomotors

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye  
tekhnicheskikh nauk. Energetika i avtomatika, no.4,  
1962, 138-144

TEXT: The author considers bridge circuits for reversing drives of d.c. servomotors. In a simple four-transistor version, the "upper" two transistors are used in the common collector connection and the circuit has low gain, placing excessive demands on the paraphase driver. A circuit is recommended using "compound" transistors in the "upper" branches of the bridge, i.e. two transistors are added to supply additional gain. There are 7 figures. ✓B

SUBMITTED: June 23, 1961

Card 1/1

DAVIDOV, P.D. (Moskva)

Transistor circuits for d.c. servo systems. Izv. AN SSSR. Otd.  
tekh. nauk. Energ. i avtom. no.4:138-144 J1-Ag '62. (MIRA 15:8)  
(Servomechanisms) (Transistor circuits)

L 18235-65 EWT(1)/EWG(k)/1/ENA(h) Feb/Fz-6 IJP(c)/AFWL/ASD(a)-5/RAEM(c)/  
ESD(dp)/ESD(c) AT

ACCESSION NR: AP404830

S/0146/64/007/005/0151/0158

AUTHOR: Davidov, P. D.

TITLE: Investigation of the thermal conditions of semiconductor devices by an equivalent-circuit method

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 5, 1964, 151-158

TOPIC TAGS: semiconductor device, pn junction temperature

ABSTRACT: A method for investigating the thermal conditions of semiconductor devices is suggested, which is based on a theoretical analysis of the transient thermal processes in a p-n-junction-ambient-medium system and on experimental studies of thermal-process equivalent circuits. With some simplifying assumptions, a heat-balance equation is set up and transformed (equation 4) into a form convenient for constructing a circuit simulating the thermal processes. Equivalent circuits representing the heating and cooling conditions in a semi-

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L 18235-65

ACCESSION NR: AF4048301

conductor device are developed. Time constants, equivalent thermal resistances, intrinsic thermal resistance, and total thermal resistance experimentally determined for Soviet-made P201, P203, P4, P209, P210, P207, P208, D235, D238, and UPVK-50 devices are reported. It is claimed that temperatures of p-n junctions analytically calculated diverge from measured temperatures by only 10-12%. Orig. art. has: 3 figures, 11 formulas, and 4 tables.

ASSOCIATION: Voenno-vozdushnaya inzhenernaya akademiya (Air-Force Engineering Academy)

SUBMITTED: 05Aug63

SUB CODE: EC

NO REF SOV: 005

ENCL: 00

OTHER: 001

Card 2/2

DAVIDOV

CP

12

Chemical cleaning of vacuum and pasteurizing apparatus. R. Davidov. *Molochus-Mashedel'skaya* Prom. 5, No. 4, 13-15 (1930); *Chem. Zentr.* 1930, I, 1273. Expts. are reported on the washing of tin-plated vacuum, pasteurizing, and other similar equipment used in the dairy industry with a 0.25% wood-ash ext. and with a 1% soln. of calcined soda contg. 0.2% water glass. Satisfactory results were obtained in practice. W. A. Moore

ASS-51A METALLURGICAL LITERATURE CLASSIFICATION

CA

28

Saccharification of potatoes. R. B. Davidov, N. A. Malsuryan, and L. P. Volkovich. U.S.S.R. 64,616, April 30, 1945. Potatoes are cooked and then treated with 5-10% of malt at 60-63°. The saccharified mass is cooled to 45-50% of dry matter. This produces a maltose paste.

M. H.

11. APP. J. M. 1941-1942  
 PROCEEDINGS AND PROPERTIES 1941-1942  
 1941 AND 1942, 1941-1942

2

Professor A. A. Kabanov. R. Davydov. "Molochuaya"  
 Prom. 9, No. 3, 43 (1948).—Obituary with portrait.  
 O. M. Komolov

ASS-56A METALLURGICAL LITERATURE CLASSIFICATION  
 1948-56A METALLURGICAL LITERATURE CLASSIFICATION  
 1948-56A METALLURGICAL LITERATURE CLASSIFICATION